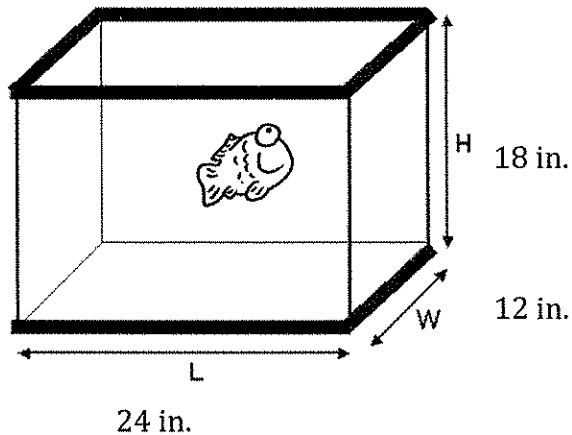
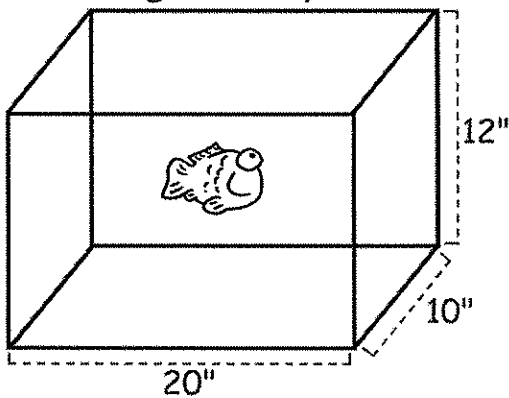


For all problems: Find the amount (surface area) of glass needed for each aquarium, as well as the capacity (volume), in gallons, that each aquarium will hold. Don't forget that the lid (top base) will need glass as well. (Hint: $231 \text{ in}^3 = 1 \text{ gallon}$, first find the volume in cubic inches, then convert to gallons.)

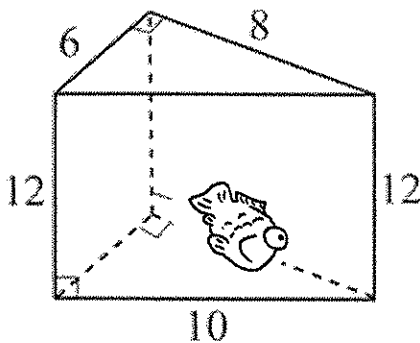
1.)



2.)



3.) Students in CCM6 and CCM6 Plus do not have to know the formula for volume of a triangular prism, but should be able to use a formula when given. $V = Bh$ or $V = \left(\frac{bh}{2}\right)h$



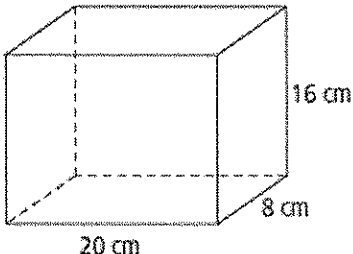
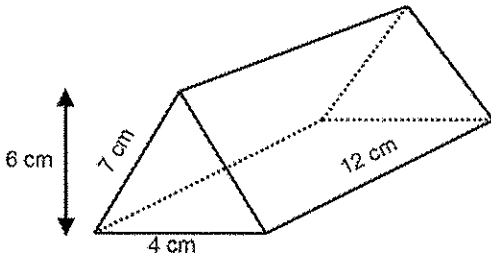
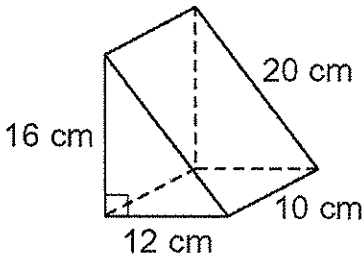
Surface Area & Volume
Surface Area & Nets

Name: _____
Date: _____ Core: _____

1st Step: Diagram a net for each 3-D object. Label the dimensions of each polygon (face.)

2nd Step: Find the area of each face.

3rd Step: Total the areas of each face to find the total surface area.

	3-D Object	Net Diagram	Total Surface Area
1.)			
2.)			
3.)			
4.)	